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973 741	12/28/78	Nilsson	78-1226

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EXAMINER	
S. H. Grimm	
ART UNIT	PAPER NUMBER
252	6

DATE MAILED:

This is a communication from the examiner in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

MAILED

JUL 21 1980

☐ This application has been examined. ☒ Responsive to communication filed on April 7, 1980 ☐ This action is made final. GROUP 250

A shortened statutory period for response to this action is set to expire THREE month(s), _____ days from the date of this letter.
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- ☒ Notice of References Cited, Form PTO-892.
- ☐ Notice of Informal Patent Drawing, PTO-948.
- ☐ Notice of Informal Patent Application, Form PTO-152.
- ☐ _____

Part II SUMMARY OF ACTION

- ☒ Claims 1-23 and 25-44 are pending in the application.
Of the above, claims 11-14 and 36 are withdrawn from consideration.
- ☒ Claim 24 has been cancelled.
- ☐ Claims _____ are allowed.
- ☒ Claims 1-10, 15-23, 25-35 and 37-44 are rejected.
- ☐ Claims _____ are objected to.
- ☐ Claims _____ are subject to restriction or election requirement.
- ☐ The formal drawings filed on _____ are acceptable.
- ☐ The drawing correction request filed on _____ has been ☐ approved. ☐ disapproved.
- ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received. ☐ not been received. ☐ been filed in parent application, serial no. _____
filed on _____
- ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
- ☐ Other

1. Applicant's election of the species of Figs. 1 and 4 is noted, and claims 1-10, 15-23, 25-35, and 37-44 are readable thereon. Applicant's election is considered to have been made without traverse since no reasons for traverse were presented. The requirement for election of species is considered to be correct and is hereby made FINAL.

2. In view of the above noted election, claims 11-14 and 36 are withdrawn from further consideration by the examiner under 37 CFR 1.142(b) as being drawn to a non-elected species.

3. Claims 2, 3 and 37-43 are rejected under 35 USC 112, second paragraph, as being indefinite as follows:

a. In claim 2, lines 3-4, "with a magnetic core" should be deleted and reinserted in line 3 after "transformer".

b. In claim 37, line 13, "ptomptly" should apparently be changed to --promptly--.

4. In claim 8, line 2, "transistor" should be changed to --transistors--.

5. In claim 15, line 7, a hyphen should be placed before "emitter" (both occurrences) and "junctions" should be changed to --junction--.

6. Claims 1-5, 8-10, 15-23, 25-35 and 37-44 are rejected under 35 USC 102 as being clearly anticipated by Hesler et al (4,002,999).

7. Claims 1-6, 8-10, 15-23, 25-35, and 37-44 are also rejected under 35 USC 102 as being clearly anticipated by Hesler et al (3,914,680). The entire Patent is relied upon, but Figs. 5 and 6 are particularly pertinent.

8. Claim 7 is rejected under 35 USC 103 as being rendered obvious by Hesler et al (3,914,680). In Fig. 5 of Hesler et al winding 15 corresponds to the claimed output winding of the second current transformer. It would be considered obvious that winding 15 could be formed with a grounded center tap like winding 47 in Fig. 5. It should be noted that Fig. 4 shows an embodiment in which winding 28 without a center tap is used, and Fig. 5 shows a modification in which that same winding has been formed as center-tapped winding 47. Thus, it is obvious that winding 15 can be made center-tapped in a similar manner.

9. The two Hesler et al patents have the current transformers formed on the same core as the output transformer. Whereas it would be considered a step backward in the art, the formation of the current transformers on separate cores would be obvious alternative in view of the teachings in the two Hesler et al patents and the state of the art.

10. Patents C, D, E and F are made of record as all showing additional base control windings for the switching transistors of inverter circuits to minimize power losses due to common-mode conduction or transient conditions in the switching of the transistors.

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GROUP ART UNIT 252